

ABSTRACT

A method for cell replication in which a request for data transmission and mapping information are received by a crossbar and a scheduler and are sent by one of a plurality of software configurable slot remap registers. The mapping information is indicative of a destination slot and a backup destination slot to which the data is to be transmitted. The method replicates the data by transmitting the data to the destination slot and to the backup destination slot when the data arrives at an input slot of the crossbar.